

AMENDMENTS TO THE CLAIMS

Amend the claims as follows:

1. – 4. (Canceled)

5. (Currently Amended) ~~An isolated DNA molecule~~ A purified polynucleotide encoding a ~~peptide~~ polypeptide consisting of the amino acid sequence of SEQ ID NO.: 2 or SEQ ID NO.: 4.

6. – 9. (Canceled)

10. (Currently Amended) A vector containing the ~~DNA sequence~~ polynucleotide of Claim 5.

11. - 37. (Canceled)

38. (Currently Amended) ~~An isolated peptide which is a homologous peptide to SEQ ID NO.: 2, wherein said homologous peptide is~~ A purified polypeptide encoded by a polynucleotide having at least 75% homology to SEQ ID NO.: 1 and wherein said ~~homologous peptide~~ polypeptide induces SHC phosphorylation or induces the SHC/MAPK pathway.

39. (Currently Amended) The ~~peptide~~ purified polypeptide of Claim 38, wherein said ~~homologous peptide~~ polypeptide is encoded by a polynucleotide having at least 80% ~~homologous~~ homology to SEQ ID NO.: 1.

40. (Currently Amended) The ~~peptide~~ purified polypeptide of Claim 38, wherein said ~~homologous peptide~~ polypeptide is encoded by a polynucleotide having at least 90% ~~homologous~~ homology to SEQ ID NO.: 1.

41. (Currently Amended) The ~~peptide~~ purified polypeptide of Claim 38, wherein said ~~homologous peptide~~ polypeptide is encoded by a polynucleotide having at least 95% ~~homologous~~ homology to SEQ ID NO.: 1.

42. – 53 (Canceled)

54. (Currently Amended) ~~An isolated peptide which is a homologous peptide to SEQ ID NO.: 2, wherein said homologous peptide is~~ A purified polypeptide encoded by a polynucleotide having at least 75% homology to SEQ ID NO.: 3 and wherein said ~~homologous peptide~~ polypeptide induces SHC phosphorylation or induces the SHC/MAPK pathway.

55. (Currently Amended) The ~~peptide~~ purified polypeptide of Claim 54, wherein said ~~homologous peptide~~ polypeptide is encoded by a polynucleotide having at least 80% ~~homologous~~ homology to SEQ ID NO.: 3.

56. (Currently Amended) The ~~peptide~~ purified polypeptide of Claim 54, wherein said ~~homologous peptide~~ polypeptide is encoded by a polynucleotide having at least 90% ~~homologous~~ homology to SEQ ID NO.: 3.

57. (Currently Amended) The ~~peptide~~ purified polypeptide of Claim 54, wherein said ~~homologous peptide~~ polypeptide is encoded by a polynucleotide having at least 95% ~~homologous~~ homology to SEQ ID NO.: 3.

SUPPORT FOR THE AMENDMENT

Claims 1-4, 6-9, 11-15, 26-37, and 42-53 have been canceled.

Claims 5, 10, 38-41, and 54-57 have been amended.

The amendment of Claims 5, 10, 38-41, and 54-57 is supported by the corresponding claims as originally presented and the specification as originally filed (see, for example, page 7, line 15 to page 32, line 7).

No new matter is believed to have been added by the present amendment.